

# Health & Care Information Model:

nl.zorg.PainCharacteristics-v1.0

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# Content

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# 1. nl.zorg.PainCharacteristics-v1.0

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## 1.1 Revision History

Publicatieversie 1.0 (01-09-2020)

## 1.2 Concept

Pain characteristics describe specific, localized pain. They provide information on a number of aspects of the pain the patient is experiencing. The aspects follow the ALTIS method (Quality, Localization, Duration, Intensity and Context). In this way, pain is always assessed in the same way.

## 1.3 Mindmap

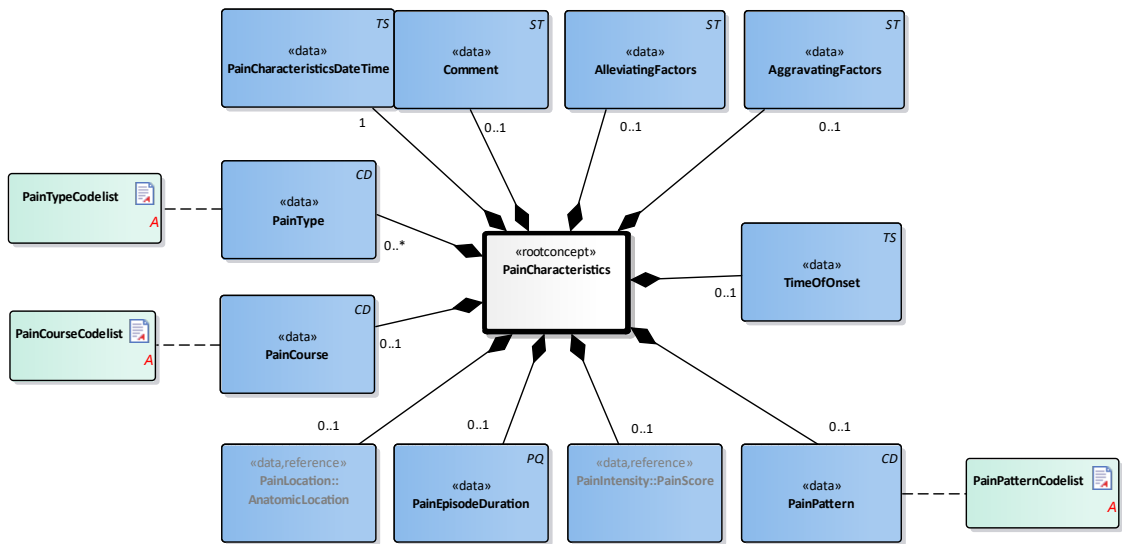
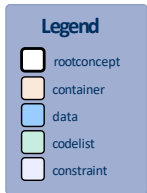
## 1.4 Purpose

Pain Characteristics are instrumental in establishing a diagnosis and in evaluating the effectiveness of pain medication.

## 1.5 Patient Population

## 1.6 Evidence Base

## 1.7 Information Model



«rootconcept»	PainCharacteristics	
<b>Definitie</b>	Root concept of the PainCharacteristics information model. This root concept contains all data elements of the PainCharacteristics information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:12.21.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 276435006 Pain / sensation finding	
<b>Opties</b>		

«data»	PainType	
<b>Definitie</b>	Description of the characteristics of the pain as experienced by the patient.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:12.21.2	
<b>DCM::DefinitionCode</b>	SNOMED CT: 364632003 Pain character	
<b>DCM::ValueSet</b>	PainTypeCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.1
<b>Opties</b>		

«data»	PainLocation::AnatomicLocation	
<b>Definitie</b>	Anatomic location and laterality of the pain.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:12.21.3	
<b>DCM::DefinitionCode</b>	SNOMED CT: 363698007 Finding site	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicLocation.
<b>Opties</b>		

«data»	PainEpisodeDuration	
<b>Definitie</b>	The duration of a pain episode with non-continues pain. The duration is measured in units of time (days, hours, ...)	

<b>Datatype</b>	PQ	
<b>DCM::ConceptId</b>	NL-CM:12.21.4	
<b>DCM::DefinitionCode</b>	SNOMED CT: 162442009 Time symptom lasts	
<b>Opties</b>		

<b>«data»</b>	<b>TimeOfOnset</b>	
<b>Definitie</b>	Date and time of the onset of the pain.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:12.21.12	
<b>DCM::DefinitionCode</b>	SNOMED CT: 405795006 Time of symptom onset	
<b>Opties</b>		

<b>«data»</b>	<b>PainIntensity::PainScore</b>	
<b>Definitie</b>	The intensity or severity of the pain experienced by the patient, measured using the NRS or VAS score.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:12.21.5	
<b>DCM::DefinitionCode</b>	SNOMED CT: 406127006 Pain intensity	
<b>DCM::ReferencedConceptId</b>	NL-CM:12.9.1	This is a reference to the rootconcept of information model PainScore.
<b>Opties</b>		

<b>«data»</b>	<b>PainPattern</b>	
<b>Definitie</b>	Description of any repeating patterns in the course of the pain that occur over time	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:12.21.6	
<b>DCM::DefinitionCode</b>	SNOMED CT: 364631005 Pattern of pain	
<b>DCM::ValueSet</b>	PainPatternCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3
<b>Opties</b>		

<b>«data»</b>	<b>PainCourse</b>	
<b>Definitie</b>	The course of the pain over time since the onset.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:12.21.7	
<b>DCM::ValueSet</b>	PainCourseCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2
<b>Opties</b>		

<b>«data»</b>	<b>AlleviatingFactors</b>	
<b>Definitie</b>	Description of the factors that relieve the pain, such as rest.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:12.21.8	
<b>DCM::DefinitionCode</b>	SNOMED CT: 162483007 Symptom relieving factors	
<b>Opties</b>		

<b>«data»</b>	<b>AggravatingFactors</b>	
<b>Definitie</b>	Description of the factors that aggravate the pain, such as exercise.	

<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:12.21.11	
<b>DCM::DefinitionCode</b>	SNOMED CT: 162473008 Symptom aggravating factors	
<b>Opties</b>		

<b>«data»</b>	<b>PainCharacteristicsDateTime</b>	
<b>Definitie</b>	The date and time at which the pain characteristics have been identified.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:12.21.9	
<b>DCM::DefinitionCode</b>	SNOMED CT: 439771001 Date of event	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comments on the described pain characteristics.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:12.21.10	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>PainTypeCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ExampleValue</b>	Brandend	
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11. 60.40.2.12.21.1	
<b>HCIM::ValueSetLanguage</b>	--	
<b>Opties</b>		

**PijnAardCodelijst** **OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.1**

Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Shooting pain	49575005	SNOMED CT	2.16.840.1.113883.6.96	opflikkerend, flitsend, schietend
Sharp pain	8708008	SNOMED CT	2.16.840.1.113883.6.96	prikkelend, stekend, doorborend
Tightening pain	162505000	SNOMED CT	2.16.840.1.113883.6.96	drukkend, knellend, snoerend
Hot pain	36349006	SNOMED CT	2.16.840.1.113883.6.96	branderig, brandend, vlammend
Cutting pain	162503007	SNOMED CT	2.16.840.1.113883.6.96	scherp, snijdend, messcherp
Aching pain	27635008	SNOMED CT	2.16.840.1.113883.6.96	zeurend, knagend, hardnekkig
Paresthesia	91019004	SNOMED CT	2.16.840.1.113883.6.96	tintelingen, doof

<b>«document»</b>	<b>PainCourseCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ExampleValue</b>	Toenemend	

DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2	
HCIM::ValueSetLanguage	--	
Opties		

**PijnbeloopCodelijst** OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2

Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Stable	58158008	SNOMED CT	2.16.840.1.113883.6.96	Stabiel
Increasing	260369004	SNOMED CT	2.16.840.1.113883.6.96	Toenemend
Decreasing	260371004	SNOMED CT	2.16.840.1.113883.6.96	Afnemend

<b>«document»</b>	<b>PainPatternCodelist</b>	
Definitie		
Datatype		
DCM::ExampleValue	Continue	
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3	
HCIM::ValueSetLanguage	--	
Opties		

**PijnPatroonCodelijst** OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3

Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Continuous	255238004	SNOMED CT	2.16.840.1.113883.6.96	Continue
Paroxysmal	26593000	SNOMED CT	2.16.840.1.113883.6.96	Aanvalsgewijs
Fluctuating	255341006	SNOMED CT	2.16.840.1.113883.6.96	Fluctuerend, wisselend

	<b>Legend</b>
Definitie	
Datatype	
Opties	

## 1.8 Example Instances

Pijkenmerken	
PijnAard	Drukkend
PijnLocatie	
Locatie	Borst
Lateraliteit	Links
PijnAanvalDuur	1 uur
BeginTijdPijn	11-08-2020
PijnIntensiteit	
PijnscoreWaarde	5
PijnMeetmethode	NRS10
PijnPatroon	Aanvalsgewijs
Pijnbeloop	Toenemend
VerzachtendeFactoren	-
VerergerendeFactoren	Ademhalen
PijkenmerkenDatumTijd	12-08-2020
Toelichting	

## 1.9 Instructions

### 1.10 Interpretation

### 1.11 Care Process

### 1.12 Example of the Instrument

### 1.13 Constraints

### 1.14 Issues

### 1.15 References

1. openEHR-EHR-OBSERVATION.symptom-pain.v1[Online] Beschikbaar op: <http://www.openehr.org/knowledge/> [Geraadpleegd: 23 december 2014].

### 1.16 Functional Model

### 1.17 Traceability to other Standards

### 1.18 Disclaimer



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